

Fountain with boulder in clear water



Initial situation

At the representative hotel fountain there was a strong algae formation due to the low water depth of 30 cm. The water warmed up significantly in the summer and the algae spread throughout the fountain. Chemical algae remedies brought relief, but in the long run it was too expensive. The well water was foaming and it did not look natural any more, which was a risk for the birds that came to the fountain to drink. The water surface of the well has a diameter of 10 m, 30 cm depth running out to the edge of the well.

Consulting & Analysis

With the information for the assessment of wells and water basins, the conditions for optimal success could be checked:

- Morphometric data: shape, volume, area, average and maximum depth
- nutrient concentrations: phosphate, total phosphorus, nitrate, N-total, nitrite

Solution

- Installation of two G-Sonic 10 algae free devices to ensure 360° click sound for the well.
- A cleaning of the well to remove the settled nutrients.
- Refilling with nutrient-poor tap water.

Click generator positions

With a range of 10 meters each, two G-Sonic 10 algae-free devices were used for a stronger click sound distribution in the shallow water.



Results

The fountain is representative again and the water is completely natural. The algae free devices provide permanently clear water throughout the whole year.

Follow-up inspection

The algae-free devices are still successfully in use today. The maintenance costs of the well have been massively reduced. The well is cleaned once a year to remove the accumulated sediment.

